PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER							
BB1545PCT		see Form PCT/ISA/220 well as, where applicable, item 5 below.						
International application No.	International filing date (day/month/year	(Earliest) Priority Date (day/month/year)						
PCT/US2005/003332	28/01/2005	02/02/2004						
Applicant								
E.I. DUPONT DE NEMOURS AND COMPANY et al.								
This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.								
This International Search Report consists	of a total of sheets.							
X It is also accompanied by	a copy of each prior art document cited in	this report.						
Basis of the report								
a. With regard to the language, the language in which it was filed, unle	international search was carried out on the ess otherwise indicated under this item.	e basis of the international application in the						
The international this Authority (Rul	The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).							
b. X With regard to any nucleo								
2. Certain claims were four	nd unsearchable (See Box II).							
3. Unity of invention is lack	Unity of invention is lacking (see Box III).							
4. With regard to the title,								
X the text is approved as sui	bmitted by the applicant.							
the text has been establish	the text has been established by this Authority to read as follows:							
5. With regard to the abstract,								
X the text is approved as sut	, ,,							
the text has been establish may, within one month from	ned, according to Hule 38.2(b), by this Aut in the date of mailing of this international s	hority as it appears in Box No. IV. The applicant earch report, submit comments to this Authority.						
With regard to the drawings,								
a. the figure of the drawings to be pu	ublished with the abstract is Figure No. $\underline{1}$							
X as suggested by the	ne applicant.							
	Authority, because the applicant failed to	55 5						
	Authority, because this figure better char	acterizes the invention.						
b none of the figures is to be	published with the abstract.	·						

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2005/003332

Вох	No. I	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)
1.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, the international search was carried out on the basis of:
	a.	type of material X a sequence listing table(s) related to the sequence listing
	b.	format of material X in written format X in computer readable form
2.	с.	x contained in the international application as filed x filed together with the international application in computer readable form furnished subsequently to this Authority for the purpose of search In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3.	Additi	ional comments:
	·	

INTERNA IONAL SEARCH REPORT

International Application No PCT/US2005/003332

A. CLASSI	FICATION OF SUBJECT MATTER C12N15/00 A01H5/00		
According to	o International Patent Classification (IPC) or to both national classifi	cation and IPC	
B. FIELDS	SEARCHED		
Minimum do	ocumentation searched (classification system followed by classifical C12N	tion symbols)	_
	tion searched other than minimum documentation to the extent that		
	ata base consulted during the international search (name of data b ternal, BIOSIS, Sequence Search, EM		ed)
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the re-	elevant passages	Relevant to claim No.
A	SHUAI BIN ET AL: "The LATERAL ORGAN BOUNDARIES gene defines a novel, plant-specific gene family" PLANT PHYSIOLOGY (ROCKVILLE), vol. 129, no. 2, June 2002 (2002-06), pages 747-761, XP002366088 ISSN: 0032-0889 cited in the application abstract figure 2; table 1 -/		1-22
χ Furth	er documents are listed in the continuation of box C.	Patent family members are listed	in annex.
"A" docume	*Special categories of cited documents : *T* later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the		
"E" earlier document but published on or after the international			claimed invention
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication data of exactors. "Cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or "O" document referring to an oral disclosure, use, exhibition or			
other m "P" documer later that	ieans nt published prior to the international filing date but an the priority date claimed	ments, such combination being obvious in the art. "&" document member of the same paten	·
	ctual completion of the international search	Date of mailing of the international se	
22	Prebruary 2006	17/03/2006	·
Name and m	ailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	-
	NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Vollbach, S	

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/003332

		PC1/US2005/003332
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	HOCHHOLDINGER FRANK ET AL: "From weeds to crops: Genetic analysis of root development in cereals." TRENDS IN PLANT SCIENCE, vol. 9, no. 1, January 2004 (2004-01), pages 42-48, XP002366089 ISSN: 1360-1385 page 46 - page 47; table 2	1-22
Α	HETZ WINFRIED ET AL: "Isolation and characterization of rtcs, a maize mutant deficient in the formation of nodal roots" PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 10, no. 5, 1996, pages 845-857, XP002182550 ISSN: 0960-7412 cited in the application page 853 - page 855; figure 9	1-22
Р,А	HOCHHOLDINGER FRANK ET AL: "Genetic dissection of root formation in maize (Zea mays) reveals root-type specific developmental programmes" ANNALS OF BOTANY (LONDON), vol. 93, no. 4, April 2004 (2004-04), pages 359-368, XP002366090 ISSN: 0305-7364 page 366 - page 367; tables 1,2	1-22
A	DATABASE UniProt 'Online! 1 March 2003 (2003-03-01), "Hypothetical protein OSJNBb0050N02.10." XP002369174 retrieved from EBI accession no. UNIPROT:Q8H081 Database accession no. Q8H081 cited in the application the whole document	1-22